



CITY OF LODI COUNCIL COMMUNICATION

AGENDA TITLE: Adopt Resolution Authorizing Annual Purchase of Materials and Services Needed to Maintain the Trojan Ultra Violet (UV) Disinfection System at White Slough Water Pollution Control Facility from DC Frost Associates, Inc., of Walnut Creek (\$230,325)

MEETING DATE: July 7, 2010

PREPARED BY: Public Works Director

RECOMMENDED ACTION: Adopt a resolution authorizing the annual purchase of materials and services needed to maintain the Trojan ultra violet (UV) disinfection system at White Slough Water Pollution Control Facility from DC Frost Associates, Inc., of Walnut Creek, in the amount of \$230,325.

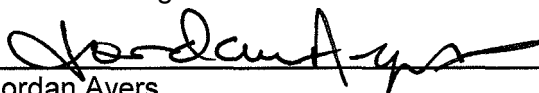
BACKGROUND INFORMATION: The Trojan UV System at the White Slough Water Pollution Control Facility went online in January 2005. The UV system requires regular maintenance to keep it properly operating. DC Frost Associates is the local representative for Trojan Technologies, the sole-source supplier for the UV equipment.

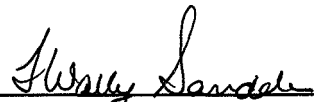
The attached list of materials and services is an estimate of parts needed for annual maintenance. Also included on the list is the cost to provide quarterly service from a Trojan-certified technician. The materials and service are essential to maintain optimal operation, which ensures the City against equipment malfunctions that could result in regulatory fines.

The UV maintenance contract cost for FY 2010/11 is reduced by \$77,855 because the wiper assemblies, end caps, and UVT meter were completed in FY 2009/10 and will not need replacement for several years.

FISCAL IMPACT: This purchase reduces the risk of failures to the UV system and the liability of fines that would be imposed by the State Water Resources Control Board.

FUNDING AVAILABLE: The money for this purchase, \$230,325 (including tax and estimated freight), will be coming from the 2010/11 White Slough Operating Fund (170403).


Jordan Ayers
Deputy City Manager/Internal Services Director


F. Wally Sandelin
Public Works Director

Prepared by Del Kerlin, Wastewater Treatment Superintendent
FWS/CS/ki
Attachment

cc: D. Stephen Schwabauer, City Attorney
Charles E. Swimley, Jr., Deputy Public Works Director - Utilities
Del Kerlin, Wastewater Treatment Superintendent

APPROVED:


Konradt Bartlam, Interim City Manager

Aftermarket Parts Price List

Minimum Order \$50.00

Trojan UV3Plus

F.O.B. Factory, Prepay & Add Freight

Tax is not included

1) Lamps, Sleeves & Ballasts Prices marked with * are in effect through December 31, 2010.				
Part #	Description	Quantity	Unit Price	Extended Price
302509	Lamp GA64T6 Amalgam, C-Series	1200	146.10*	175,320.00
316136	Sleeve, Quartz	80	58.44*	4675.20
915378	Ballast	10	379.89*	3798.90

2a) Module Parts				
Part #	Description	Quantity	Unit Price	Extended Price
912356-001	Board, MCB 220-277V	2	83.00	166.00
912362	IC Transceiver Chip RS485 75176	10	19.00	190.00
328024-003	Wire Harness, MOD SEC 60"	4	13.00	52.00
2b) Module Common Parts				
Part #	Description	Quantity	Unit Price	Extended Price
316144	O-Ring, Sleeve Seal	1200	0.30	360.00

3) UV Intensity Sensor Replacement Parts				
Part #	Description	Quantity	Unit Price	Extended Price
015239	Sensor Sleeve, Quartz (6')	5	102.00	510.00

4) Power Distribution Center				
Part #	Description	Quantity	Unit Price	Extended Price
316074	Receptacle Assembly	2	113.00	226.00
912706	Board, Relay 220-277V (OES 2382)	10	172.00	1720.00

5) Hydraulic System Center				
Part #	Description	Quantity	Unit Price	Extended Price
907384	Hydraulic Filter Element	3	36.00	108.00
931012-120	Board, HCB 120V (OES 2401B)	1	2070.00	2070.00
326085	Water Glycol, Hydraulic (5 gallon pail)	22	190.00	4180.00

6) Level Sensor				
Part #	Description	Quantity	Unit Price	Extended Price
912179	Board, Low Level Relay 120VAC	1	462.00	462.00
903381	Level Sensor Electrode (2' SS)	1	31.00	31.00
903957-002	Electrode, Level Sensor w/Sheath 2"	1	55.00	55.00

Aftermarket Parts Price List

Minimum Order \$50.00

Trojan UV3Plus

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7) Wiper System		Prices marked with * are in effect through December 31, 2010.		
Part #	Description	Quantity	Unit Price	Extended Price
005066	Grease, Food Grade	6	19.00	114.00
010301	Vent Screw	5	0.30	1.50
327021	Seal Kit	50	12.85*	642.50
327030	Tubing, Viton, 1/4", part #327030	36"	0.90	32.40
327066	Fitting, Inter-Wiper 90° Elbow	22	1.25	27.50
327027	Fitting, Interwiper (PVC)	50	0.90	45.00
331005	Rust Inhibitor, Safeguard M-1	2	51.00	102.00
901507	Acti-Clean Gel, 4x1 gallon containers	5	125.00	625.00

8) Preventive Maintenance				
Part #	Description	Quantity	Unit Price	Extended Price
Preventive Maint.	Quarterly Service (1 day per quarter)	1 yr	\$11,680.00	\$11,680.00

Total (without tax or freight)			\$207,194.00
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*Parts with pricing in effect through December 31, 2010 are subject to CPI adjustments per agreement.

RESOLUTION NO. 2010-101

A RESOLUTION OF THE LODI CITY COUNCIL
AUTHORIZING ANNUAL PURCHASE OF MATERIALS
AND SERVICES NEEDED TO MAINTAIN THE TROJAN
ULTRA VIOLET DISINFECTION SYSTEM AT WHITE
SLOUGH WATER POLLUTION CONTROL FACILITY

WHEREAS, the ultraviolet (UV) system at the White Slough Water Pollution Control Facility went online in January 2005 and requires regular maintenance to keep it operating properly; and

WHEREAS, DC Frost Associates, Inc. is the local representative for Trojan Technologies, the sole-source supplier for the UV equipment; and

WHEREAS, staff recommends authorizing the purchase of materials and services needed for annual maintenance, including quarterly service from a certified technician, from DC Frost Associates, Inc., of Walnut Creek, California, to maintain optimal operation and to ensure against fines imposed by the State Water Resources Control Board for equipment malfunction; and

WHEREAS, the estimated cost of the purchase, based on past usage, is \$230,325, including tax and freight.

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council does hereby authorize the annual purchase of materials and services needed to maintain the UV disinfection system at the White Slough Water Pollution Control Facility from DC Frost Associates, Inc., of Walnut Creek, California, in the estimated amount of \$230,325.

Dated: July 7, 2010

I hereby certify that Resolution No. 2010-101 was passed and adopted by the City Council of the City of Lodi in a regular meeting held July 7, 2010, by the following vote:

AYES: COUNCIL MEMBERS – Hansen, Johnson, Mounce, and
Mayor Katzakian

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – Hitchcock

ABSTAIN: COUNCIL MEMBERS – None



RANDI JOHL
City Clerk